

FIG. 1

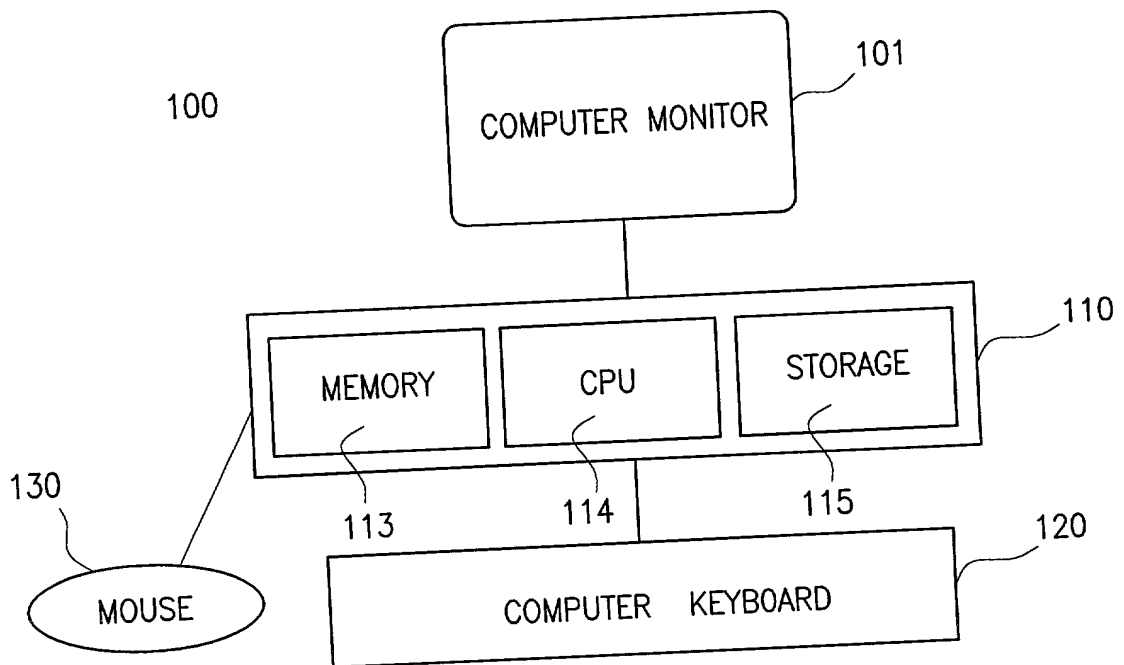
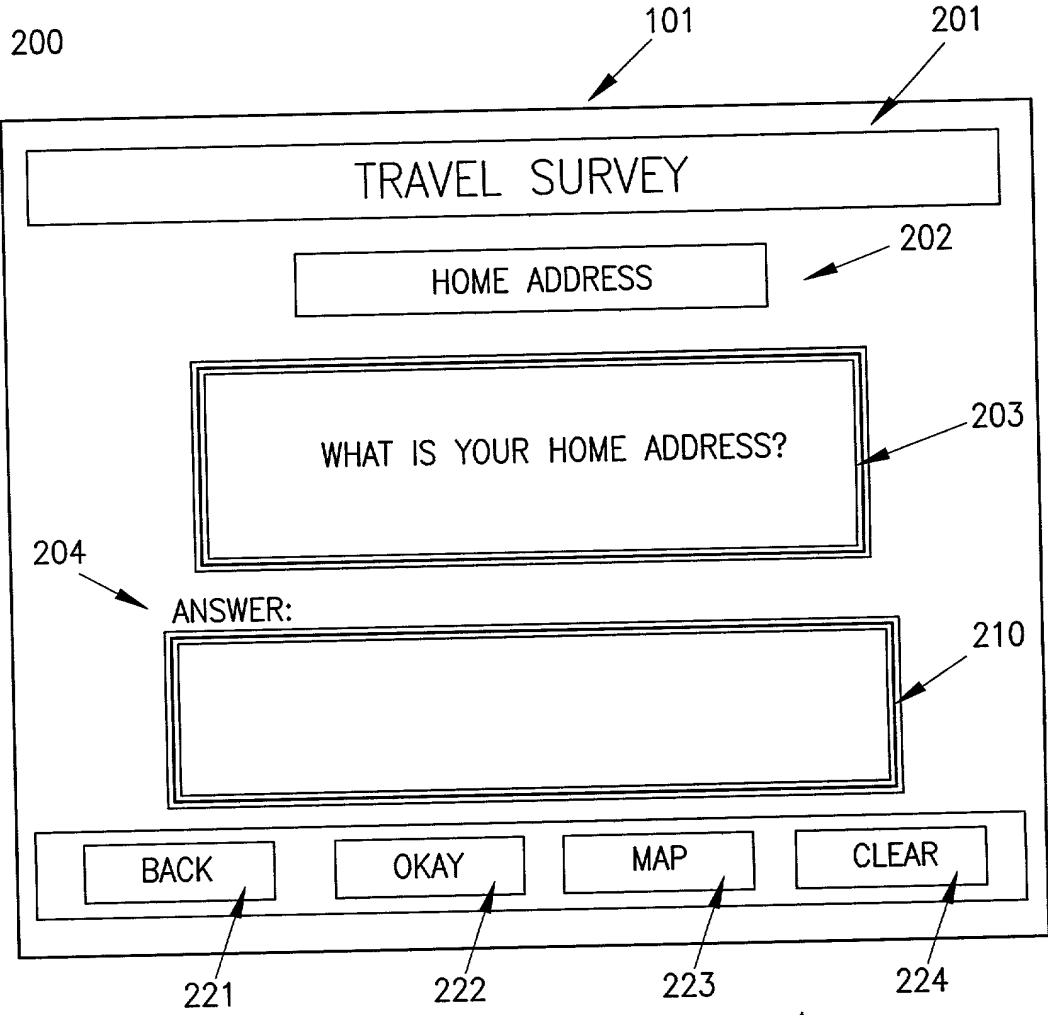


FIG. 2



300		301		302		303	
Field Name		Attribute		Field Description			
311	Lat	N(10,4)		Degrees of Latitude			
312	Lng	N(10,4)		Degrees of Longitude			
313	Proximity	N(10,4)		Proximity measure (radius of circle around Lat, Lng)			
314	Units	Character(12)		Units of Proximity (e.g. Feet, Meters, Miles, etc.)			
315	Location	Character(255)		AlphaNumeric entered location (e.g. Street Address, City, State)			

FIG. 3

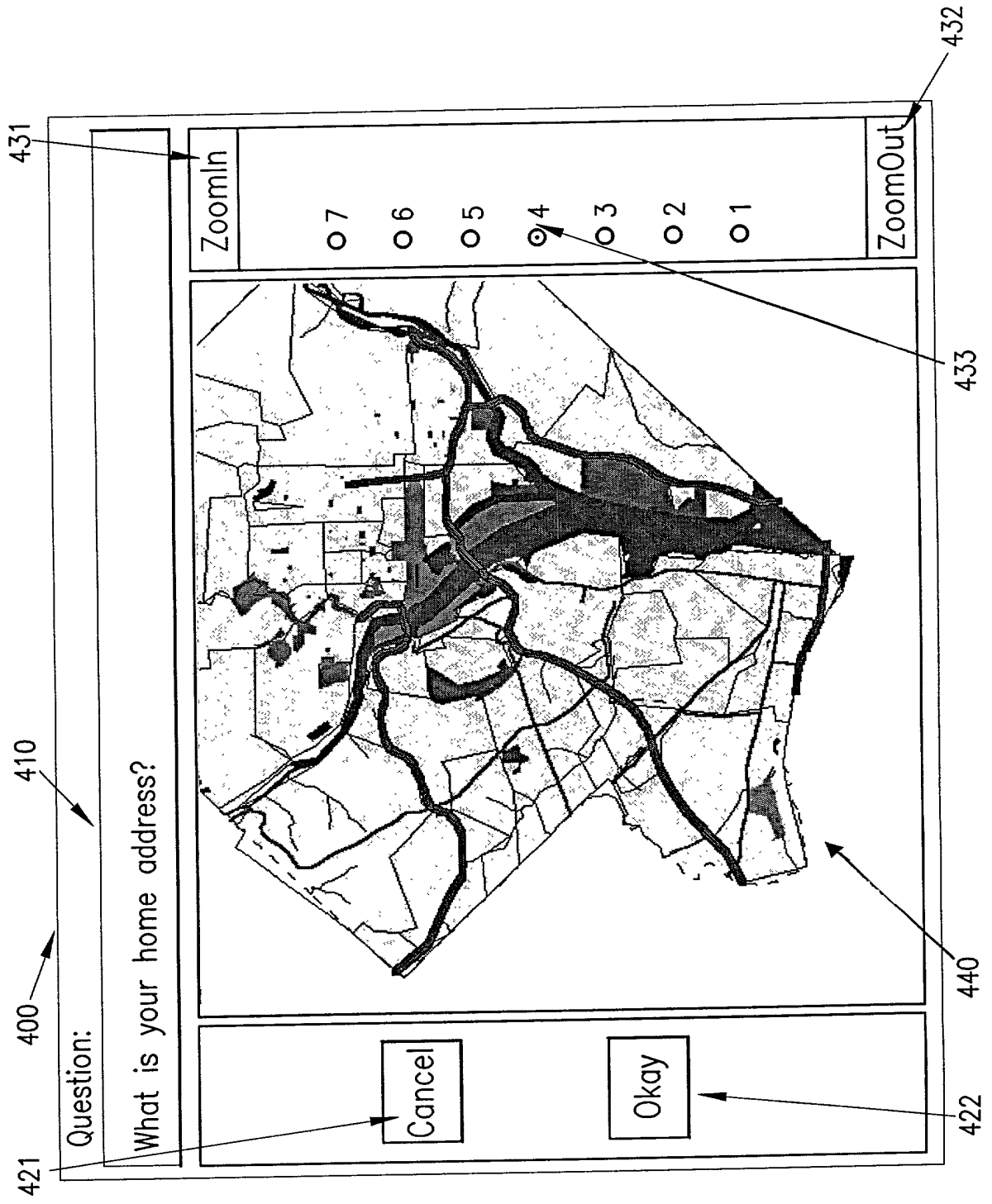


FIG. 4

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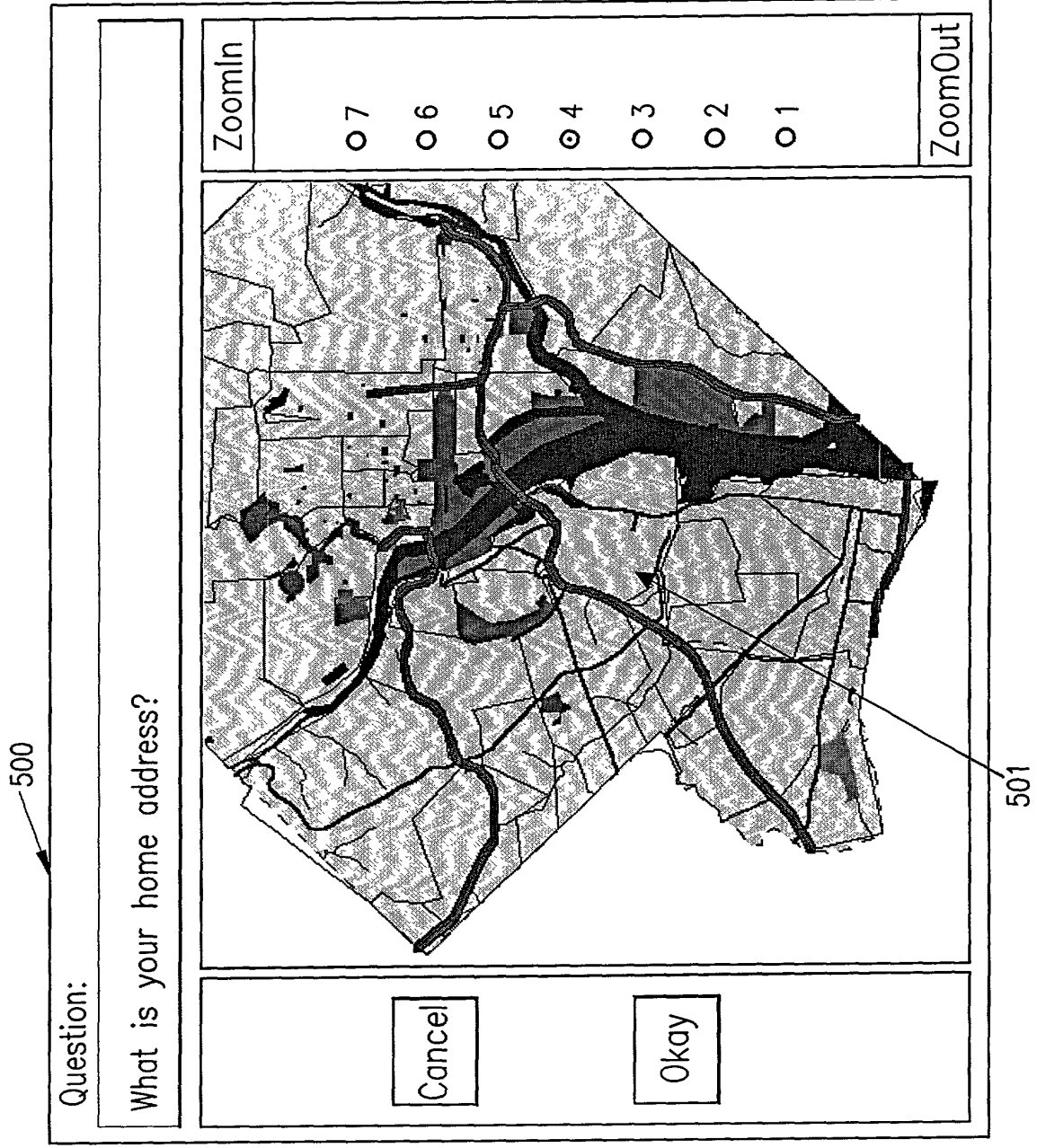


FIG. 5

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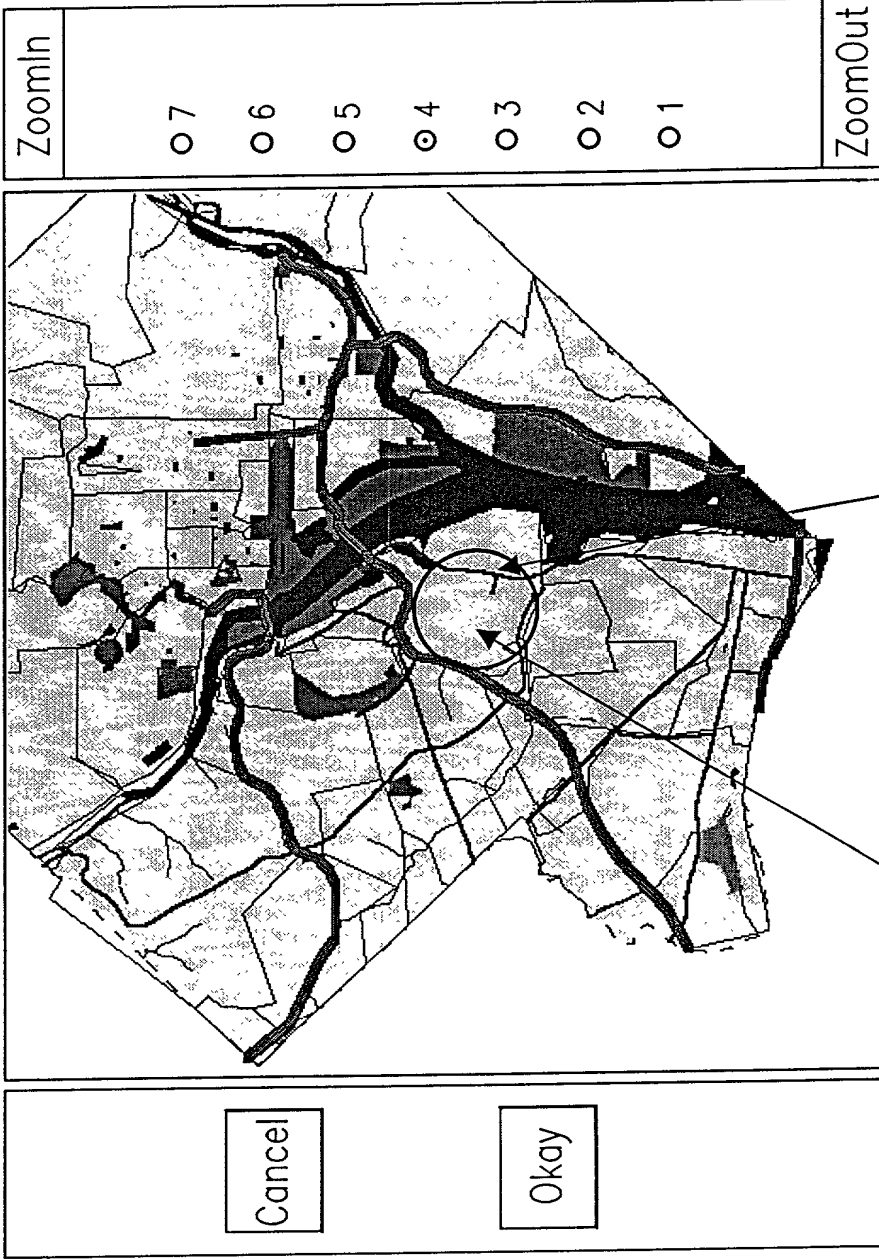
600

Question:

What is your home address?

Cancel

Okay



601

602

+

FIG. 6

FIG. 7

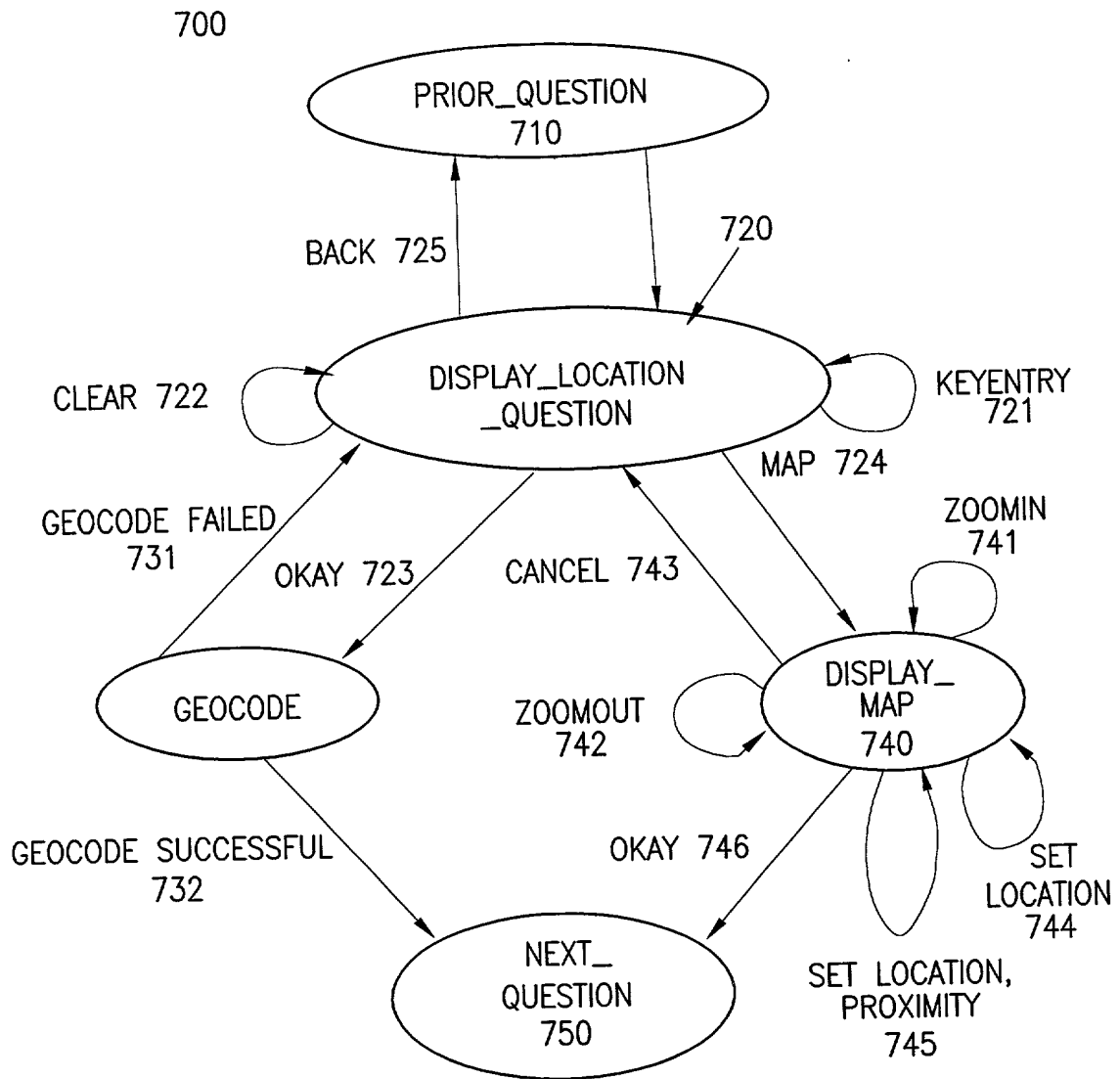


FIG. 8

FIG. 8 (a)
FIG. 8 (b)
FIG. 8 (c)
FIG. 8 (d)

Fig. 8 (a)

800

State	Event	Processing
PRIOR_QUESTION		State=DISPLAY_LOCATION_QUESTION: Event=Initialize
DISPLAY_LOCATION_QUESTION	Initialize	Set GeoCode=(null,null,null,null,null) Display location question Set Location=null State=DISPLAY_LOCATION_QUESTION: Event=Wait_on_user_action
	Wait_on_user_action	Refresh Location Question Screen If Action=KeyEntry then Append KeyEntered to Location State=DISPLAY_LOCATION_QUESTION: Event=Wait_on_user_action Elseif Action=Clear then Location=null State=DISPLAY_LOCATION_QUESTION: Event=Wait_on_user_action Elseif Action=Okay

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Fig. 8 (b)

		<p>If Location=null then</p> <p>    Display Message "No location entered-reenter"</p> <p>    State=DISPLAY_LOCATION_QUESTION:</p> <p>    Event=Wait_on_user_action</p> <p>Else</p> <p>    State=GEOCODE: Event=GeoCode</p> <p>End If</p> <p>Elseif Action=Map then</p> <p>    State=DISPLAY_MAP: Event=Initialize</p> <p>Elseif Action=BACK then</p> <p>    State= PRIOR_QUESTION</p> <p>End If</p>
<p>GEOCODE</p> <p>830</p>	<p>GeoCode</p> <p>831</p>	<p>Response=Call Geocode software for entry in Location variable</p> <p>If Response=Failed then</p> <p>    Display Message "Illegal location specified-retry"</p> <p>    State=DISPLAY_LOCATION_QUESTION: Event=Initialize</p> <p>Else</p> <p>    GeoCode=(lat,lng,null,null,location)</p> <p>    State=NEXT_QUESTION: Event=Display</p> <p>End If</p>

Fig. 8 (c)

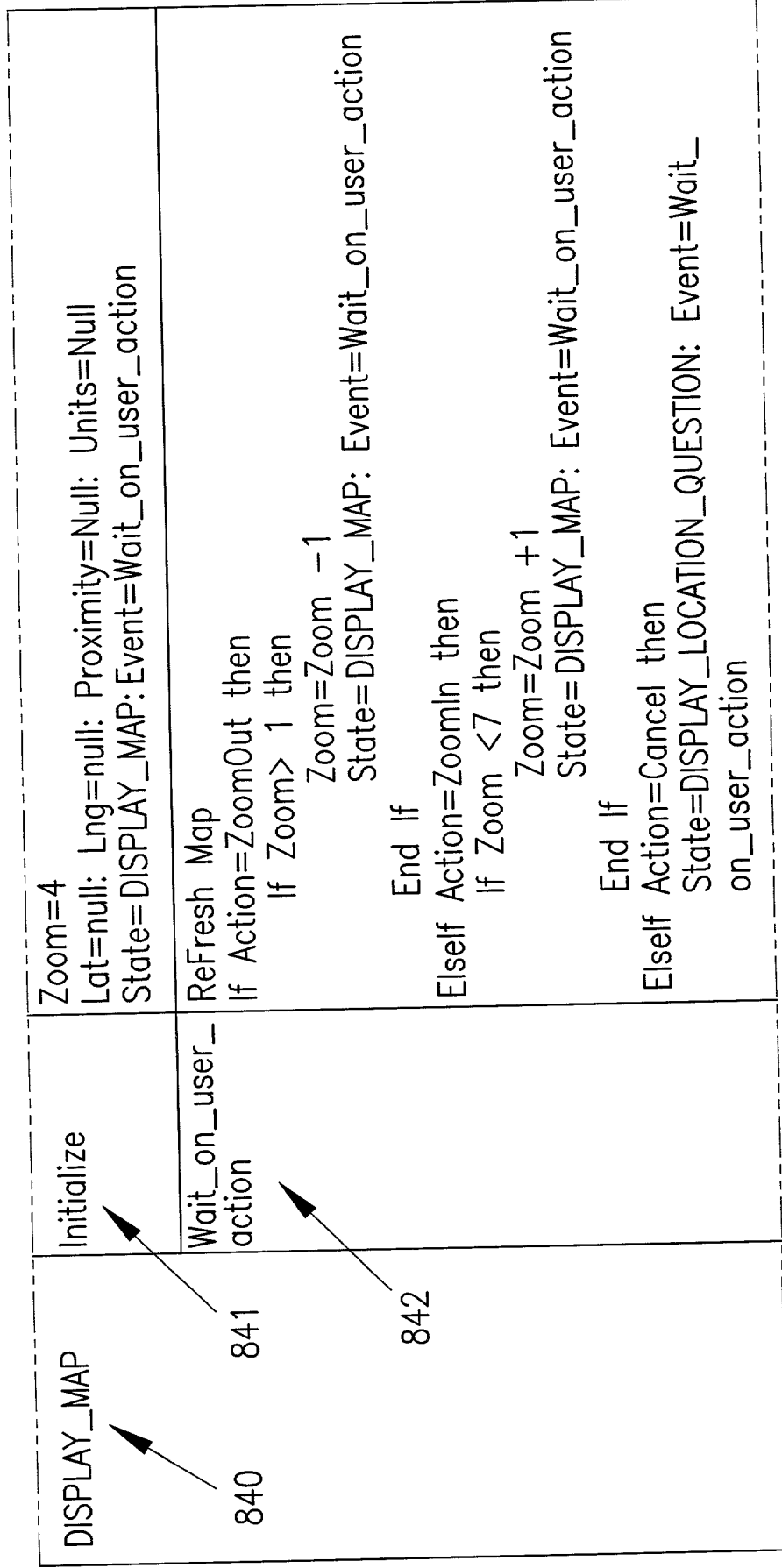


Fig. 8 (d)

		<p>Elseif Action=Location  Set Lat,Lng from selected point on Screen  State=DISPLAY_MAP: Event=Wait_on_user_action</p> <p>Elseif Action=Proximity  Set Lat,Lng from user selected point on Screen  Set Proximity, Units from user input  State=DISPLAY_MAP: Event=Wait_on_user_action</p> <p>Elseif Action=Okay  If (Lat,Lng)=(null,null) then  Display Message "No map location selected-reenter"  State=DISPLAY_MAP: Event=Wait_on_user_action  Else  GeoCode=(Lat,Lng,Proximity,Units,Location)  State=NEXT_QUESTION: Event=Display  End If  End If</p>
NEXT_QUESTION	Display	Display next question in the Computer Assisted Self Interview

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